

AN EXHAUST GAS PURIFYING APPARATUS

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ABSTRACT OF THE DISCLOSURE

10 The present invention relates to an exhaust gas
purifying apparatus, for trapping and burning PM, which
comprises electrodes and an insulative honeycomb
structure. The apparatus is characterized in that the
electrodes make an electric field in the honeycomb
15 structure, the electric field not being parallel with the
cell passages of the honeycomb structure. Further the
apparatus is characterized in that the electrodes make an
electric field in the honeycomb structure, and that the
honeycomb structure carries at least one metal selected
20 from the group consisting of an alkali metal and an
alkali earth metal; a material that generates oxygen
radical by conducting an electric current therethrough; a
manganese dioxide; and/or a material having a high
dielectric constant.